Amendments to the Specification:

Please amend the paragraph beginning on page 2, line 1as follows:

~~WO 95 02801 A1~~ <u>WO 95 02861 A1</u> discloses a data processing system with a limited look-up table for a function with non-uniform solution.

Please amend the paragraph beginning on page 10, line 25 as follows:

If subsequently a non-linear function is applied to the ~~number~~ <u>numbers</u> coded in this manner, care must be taken that the calculation of the function also occurs taking into consideration the interval division I_c. For each I_c, there is a different accuracy that is the distances of subsequent values of the definition range are the same within an interval but are generally different between the intervals. This has to be taken into consideration in particular if look-up tables are used.